

Request Number: 20-2016-02-22-26
~~20-2016-02-21-02~~

Algal Bloom Response - As needed

Florida Department of Environmental Protection Central Laboratory Submittal Form

Page 1 of 2
last revised Apr 7, 2016

Customer: **WQAP**

Requester: Kirby Wolfe

Field Report Prepared By: K. De'Aeth

Project ID: **BLOOM-RESP**

Collected By: Chase Conley, Kaitlin De'Aeth

Sampling Agency: SROC

Location <u>Franklin Lock & Dam</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>6/22/16</u> Time <u>1315</u>	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2)
Field ID		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>	Diss. Oxygen <u>3.81</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) <u>—</u>	<u>Algae</u>
STORET #		Temp (C) <u>30.2</u> pH <u>6.8</u>	Sample Depth <u>0.3</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>353</u>	
Latitude <u>26.721050</u>	☒ dd ☐ dms	Longitude <u>-81.692782</u>	☒ dd ☐ dms	Salinity (ppt) <u>—</u>	Comments <u>50% Sat</u>	
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date _____ Time _____	☐ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STORET #		Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments	
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date _____ Time _____	☐ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STORET #		Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments	
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date _____ Time _____	☐ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STORET #		Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments	

Relinquished By: <u>K. De'Aeth</u>	Date/Time <u>6/22/16 1530</u>	Shipping Method <u>FedEx</u>	Number of Coolers Shipped: <u>1</u>	Received By: <u>RILW</u>	Date/Time <u>6/23/16 1020A</u>
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Date of Request: 02-FEB-2016
 Created By: SWANSON_C On: 02-FEB-2016
 Modified By: WATTS_J On: 02-FEB-2016
 Customer: SO-DIST
 Project: BLOOM-RESP
 Division: Division of Environmental Assessment and Restoration
 District: South District
 Sampling Event: Algal Bloom Response - as needed

Send Coolers To:

Phone: 239-332-6975 SC 748-6975
 FLDEP South District Office
 2295 Victoria Ave. Suite 364
 Fort Myers, FL 33901-3381
 Attn: Kirby Wolfe

Program Module Number:
 Priority: 1
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 02-FEB-2016
 Biology Request Reviewed By: SWANSON_C On: 02-FEB-2016
 Sampling Kit Required: YES Ship on: 10-FEB-2016
 Sampling Kit Shipped: YES On: 08-FEB-2016
 Sampling Kit Packed By: LASHLEY_C
 Preservatives Needed: NO
 Date to Receive Samples: 22-FEB-2016
 Received By: SHAIK_A On: 23-JUN-2016

Send Final Report To:

FLDEP South District Office
 2295 Victoria Ave. Suite 364
 Fort Myers, FL 33901-3381
 Attn: Kirby Wolfe

Report Type: Final Only
 FTP Data: NO
 QC Report: YES
 Date Log: NO
 Authorization Log: NO

Comments: Analyze toxin upon receipt after consultation with Biology's Taxonomy Manager.

Bottle Group A - Priority 1
 For algal dominant taxon in water and scum sample, if applicable.

Bottle Group B - Priority 1
 For water column toxin testing, if applicable.

Bottle Group C - Priority 3
 For water column nutrients sampling.

Bottle Group D - Priority 12
 For full algal count for water and scum, if applicable.

There are two sets of bottles per Group in case one water column and one scum sample is needed. You do not need to fill both if a surface scum is not present.

Bottle Group A (Biological) With 2 Samples:

Bottle Type: PT-50ML Number of Bottles: 2 Preserved With: ICE
 BLOOM-ID Template: DEFAULT (SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample

Bottle Group B (Water) With 2 Samples:

Bottle Type: BG-WD250 Number of Bottles: 2 Preserved With: ICE
 W-MCYST-AA Template: DEFAULT (EPA 8321B) Microcystins in water matrices by HPLC/MS/MS

Bottle Group C (Water) With 2 Samples:

Bottle Type: BP-1L Number of Bottles: 2 Preserved With: ICE
 CHLSUITE-W Template: DEFAULT (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry

Bottle Type: P-500ML Number of Bottles: 2 Preserved With: ICE And H2SO4
 W-NH3 Template: DEFAULT (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
 W-NO2NO3 Template: DEFAULT (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
 W-S-A-TP Template: DEFAULT (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
 W-TKN Template: DEFAULT (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
 Bottle Type: P-125ML Number of Bottles: 2 Preserved With: ICE-FLTR

Bottle Group C (Water) With 2 Samples:

Bottle Type: P-125ML Number of Bottles: 2 Preserved With: ICE-FLTR
W-PO4-F Template: DEFAULT (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group D (Water) With 2 Samples:

Bottle Type: BP-1L Number of Bottles: 2 Preserved With: Lugols
DTY-QN-C Template: DEFAULT (SOP-AB05_1) No. of diatom taxa of quantitative phytoplankton sample.
PKD-QN-C Template: DEFAULT (SOP-AB05) No. of wet taxa of quantitative phytoplankton sample.

* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.

Log-in Checklist

RQ- 2016-02-22-26

Shipping Method: Fed Ex

Date/Time of Receipt: 6/23/16/1020A

Cooler ID	Cooler Temperature	No. Sample Containers in Cooler	Evidence Tape				Tracking # (fill out only if waybill copy is damaged)
			Present?		*Intact?		
			Yes	No	Yes	No	
RED	1.6°C	6		✓			8085 0983 0042

*If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX), or if Evidence Seal is damaged, identify the containers in the affected cooler(s) on back of this form.

****Note:** If "No" is checked in any of the fields below, fill out the back of this form with additional details (Field ID, Test IDs, etc.) and generate an NCR.

****Chain of Custody/ Field Sheet(s) Included?** Yes ✓ No

CONTAINER CHECK

****Evidence Tape on Bottles?** Yes No ✓ If yes, is it intact? Yes No

****Caps on tight?** Yes ✓ No ****Containers intact?** Yes ✓ No

****Sufficient Sample Volume:** Yes ✓ No

CHLORINE CHECK (Blue dot on container)

Check the Box marked Yes or No for the Presence of Chlorine. If Cl detected, an NCR is required.					
Analysis	Yes	No	Analysis	Yes	No
W-1,4 DIOX			W-PC-AA-SF		
W-AHERB-AA (-AHB-AA-R)			W-PCL-SQ (-R)		
W-BNA (-625, -R)			W-PDQUAT		
W-CARB-AA (-CAB-AA-R)			W-PESTNP-R		
W-ENDO-AA			W-PSCL-TQ		
W-GLYPH			W-PSNP-TQ		
W-NP-AA-SF			W-PST-CL-R		
W-PAH (-R)			W-TR-TQ		
W-PCB-R					

PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

****Acid Preserved Samples:** pH ≤ 2.0? Yes No NA Init:

****W-1-4-DIOX (Green dot on container) preserved to pH < 4.0?** Yes No NA ✓ Init: RLW

Coolers Unpacked/Checked by: RLW Date: 6/23/16

NCRs (Y/N)?

Event ID: Algal Bloom Response - as needed
SO-DIST-2016-06-23-02 (BLOOM-RESP)

NCR #

Date Received: 23-JUN-2016 10:20

Log-in Checklist

Samples with Incorrect pH Preservation or presence of Chlorine

Field ID	Bottle Test ID(s)	pH / Cl	Action Taken

Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

Cooler ID	Field ID	Bottle Test ID(s)

Bottles Not Intact

Field ID	Bottle Test ID(s)	Loose Cap	Damaged Cap		Damaged Container		Evidence Tape Not Intact
			CK	BR	CK	BR	

Samples with Insufficient Volume for Analyses

Field ID	Bottle Test ID(s)	Action Taken

ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes ☐ No ☒

Date and time placed in freezer _____

Were all samples placed in freezer within 48 hours of collection? Yes ☐ No ☐

If no, were samples shipped on dry ice? Yes ☐ No ☐

FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check (W-HG-AF; W-HG-AF-F):

Samples preserved within 48 hours? Yes ☐ No ☐

Date and time samples preserved: _____

Additional Comments: